

# USERS MANUAL



**Alecto®**

**DBX-86**

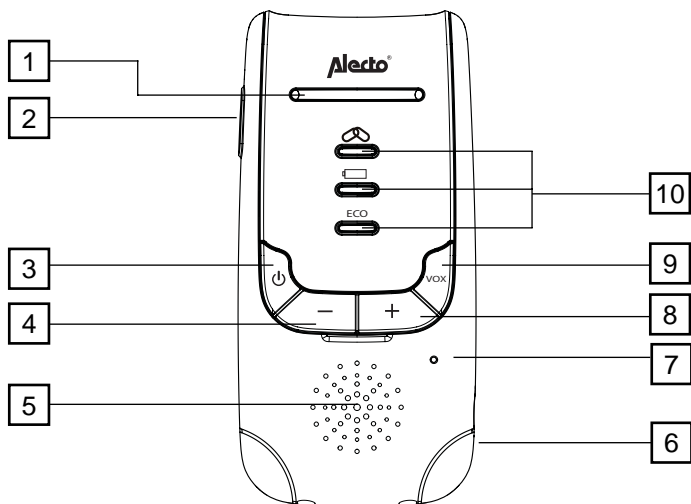
# 1 ECO MODE

This Alecto DBX-86 babyphone is equipped with an unique ECO mode. Already in normal operation mode, the baby-unit stops transmission when the baby is not crying. In Full Eco mode it even suppresses the controlling signals between the baby-unit and the parent unit, so no transmitting at all.

Attention: once the baby produces noise, the baby-unit is activated and contacts the parent unit. This causes a small delay which means that short sounds from the baby may not be heard by you. In case you really want to hear all sounds from the baby room, you must set the sensitivity to maximum; with this setting the baby-unit is constantly active.

# 2 OVERVIEW

## 2.1 OVERVIEW PARENT UNIT:



1. sound indication LED's
2. talk back button
3. power on/off
4. volume down; down button when setting the sensitivity
5. loudspeaker
6. DC input for power adapter
7. microphone (for the talk back feature)

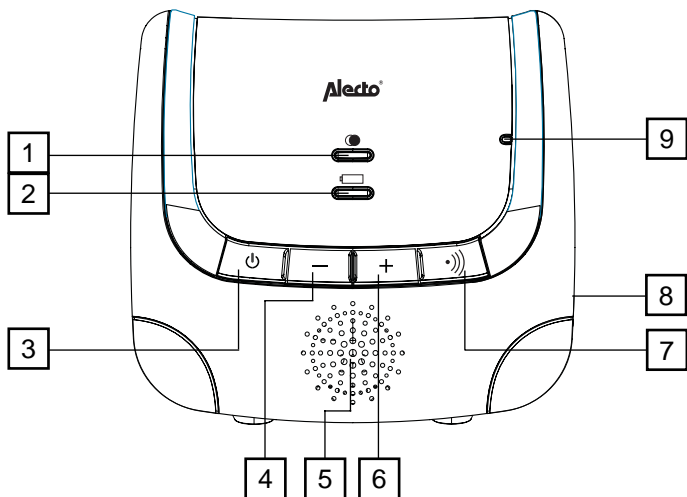
8. volume up; down up button when setting the sensitivity
9. sensitivity button
10. lamps (see paragraph 2.3)

 : link check

 : low battery / charging

ECO: FULL ECO

## 2.2 OVERVIEW BABY UNIT:



- |                   |                                   |
|-------------------|-----------------------------------|
| 1. ●: power       | 6. volume-up                      |
| 2. 🔋: low battery | 7. page (to page the parent unit) |
| 3. power on/off   | 8. DC input for power adapter     |
| 4. volume-down    | 9. microphone                     |
| 5. loudspeaker    |                                   |

## 2.3 OVERVIEW LAMPS:

### Baby unit:

Lamp : **Power Indicator**

on when the parent unit is switched on  
off when the parent unit is switched off

Lamp : **Low Battery Indicator**

flashes when low battery is detected

### Parent unit:

Lamp : **Low Battery / Charging Indicator**

on steadily when in charging mode  
blinks when low battery level is detected

Lamp : **Link indicator**

flashes when there is no link between baby unit and parent unit or parent unit is out of range with the baby unit  
on steadily when linked to the baby unit  
*in the full eco mode this lamp only lights when the parent unit actual receives noise from the baby unit; in idle state this lamp is OFF during FULL ECO mode*

Lamp ECO: **ECO Indicator**

off when FULL ECO mode feature is OFF  
on steadily if Full ECO setting is ON

# 3 INSTALLATION

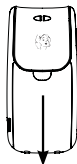
## 3.1 PARENT UNIT:

The parent unit is powered by 2 supplied rechargeable batteries. These batteries are charged through the included power adapter.

### ATTENTION:

**NEVER install normal batteries in the parent unit.  
Normal batteries cannot be charged and will  
damage the parent unit when charged.**

1. Remove the battery compartment cover.
2. Insert 2 x AA rechargeable batteries, observing their polarities, into the battery compartment on the parent Unit.
3. Replace the battery door on the Parent Unit.
4. Connect the output plug of the mains adapter to the DC socket on the side of the baby unit and the mains adapter to the wall mains supply.
5. The LOW BATTERY/CHARGING LED comes on and charging begins. As soon as the battery icon in the LCD lights steadily, the batteries are fully charged.



### NOTE

If no batteries are inserted in the parent unit, it can still be powered on when connecting to the mains power.

### **3.2 BABY UNIT:**

You can use the baby unit from the mains power or on alkaline batteries. Even if you are going to use the unit from the mains, you are recommended to insert alkaline batteries (excl.). This guarantees automatic backup in case of mains failure.

1. Remove the battery compartment cover.
2. Insert 4x AA alkaline batteries.
3. Reattach the battery compartment cover.
4. Connect the output plug of the mains adapter to the DC socket on the side of the baby unit and the mains adapter to the wall mains supply.

Only use normal Alkaline batteries in the Baby unit.

### **3.3 RECOMMENDATIONS:**

- Avoid exposure of the units to moisture or liquid.
- Clean the units with a damp cloth.
- Do not expose the units to extreme heat or direct sunlight.
- To prevent electric shock, do not open the cabinets of the baby unit, parent unit and charger.
- Avoid metallic contact (e.g. metal clips, keys) between the battery contacts and charging conductors.
- Read the marking on the mains adapter for the mains supply required for this baby monitor.
- Make sure the baby unit and mains adaptor cable are always out of reach of the baby.
- Never place the baby unit inside your baby's cot, bed or playpen.
- Never cover the units such as with clothes, towels or blankets.

- Follow the local regulations regarding the disposal of your packing materials, exhausted batteries and used units. Wherever possible, recycle those materials.

## 4 USING YOUR BABY MONITOR

Please read these instructions carefully, and be reminded that this baby monitor is just intended as an aid. It is not a substitute for responsible, correct parental supervision.

### 4.1 POWER ON/OFF:



2 sec.

provided the parent unit is off, press and hold <POWER> for about 2 seconds to switch-ON the unit




2 sec.

provided the parent unit is on, press and hold <POWER> for about 2 seconds to switch-OFF the unit

### 4.2 LINK CHECK:

As soon as the parent unit is turned on, it starts looking for the baby unit.

1. The link-led  blinks and the parent unit starts looking for the baby unit.
2. As soon as the parent unit finds the baby unit, the link-LED lights steadily.

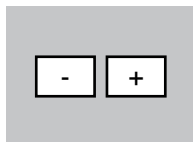


3. In case the parent unit cannot find the baby unit within a period of 30 seconds (because it is not yet switched on, the batteries of the baby-unit are empty or the distance is too large), attention tones will sound every 10 seconds.

*In the full eco mode this lamp only lights when the parent unit actual receives noise from the baby unit; in idle state this lamp is OFF during FULL ECO mode.*

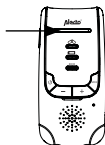
### 4.3 MONITORING:

As soon as the baby unit detects a sound, it will send it to the parent unit.



#### receiving volume:

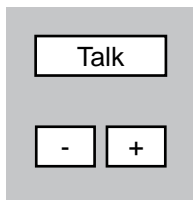
press the - button to decrease the volume or the + button to increase the volume (5 levels + volume-OFF)



#### Optical indication:

the sound is also displayed visually by LED's; monitoring can therefore be carried out even when the volume has been reduced or switched off altogether

### 4.4 TALK BACK:

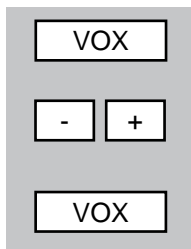


press and hold TALK on the Parent unit to speak to the baby

on the baby unit press the - button to decrease the volume or the + button to increase the volume

## 4.5 SENSITIVITY:

You can adjust the sensitivity on the Parent Unit to monitor the sound from Baby Unit:



press the **VOX** button on the parent unit

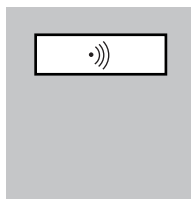
use the - and + button to select the required level


press the **VOX** button to confirm


- *There are five levels of sensitivity which are indicated by lighting lamps:  
level 1 represents lowest sensitivity  
level 4 represents a high sensitivity  
level 5 represents the highest sensitivity (the microphone is activated all the time)*
- *You will hear an extra beep when the lowest or the highest level is reached and when you press the - or + button.*

## 4.6 PAGING THE PARENT UNIT:

Use this feature to call the parent unit in case you need help in the baby room or to find the parent unit. The parent unit must be switched-on to use this feature.



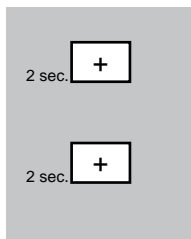
press the  button to generate tones at the parent unit for 120 seconds

you may end this signaling by again pressing button  or by pressing any key on the parent unit

- *The volume of these tones is fixed.*
- *In case the volume of the parent unit was set to off, when paging the volume will be set to on and remain on.*

## 4.7 FULL ECO:

When FULL ECO is activated, there is no transmitting at all when the baby is not crying.



press and hold the + button for about 2 seconds, the ECO LED will light


press and hold the + button again to switch-off this feature, the ECO LED will turn off


### Attention:

- A maximum sensitivity (level 5) will disable the Full ECO feature if FULL ECO setting is set to ON. Reduce the sensitivity level to resume the FULL ECO mode.
- Attention: The link check is not active in Full Eco mode; see paragraphe 5.1.

# 5 OTHERS

## 5.1 LINK CHECK:

As soon and as long the parent unit is in contact with the baby unit, the link-LED  on the parent unit lights steadily.

When the baby unit gets out of range (or is powered off), the link-LED  on the parent unit starts blinking.


In case the link is not restored within 30 seconds, a beep-toon sounds every 10 seconds.

Once the link between the parent unit and the baby unit is restored, the link-LED will light steadily.

Also during the power up of the units, the link-LED will blink for a couple of seconds in which period the units are looking for each other. When the link is made, the LED will light steadily.

Attention: the link check does not function when the FULL ECO MODE is set. The link-LED than only lights when the parent unit actually receives noise from the baby unit; in idle state this lamp is OFF during FULL ECO mode, even when the units are in range.

## 5.2 BATTERY INDICATION:

Both the parent unit and the baby unit are equipped with a battery indicator ().

### Baby unit:

- the battery indicator is off when the baby unit is powered by the power adapter
- when the batteries are running low, the battery indicator starts blinking; it is advised to now directly replace the batteries in the baby unit or to connect the power adapter;
- in case you do not change the batteries or do not connect the power adapter, the baby unit will switch off after a while; the link-LED on the parent unit will start blinking; after you replace the batteries or connect the power adapter, the set functions as normal again

### Parent unit:

- if batteries are installed in the parents unit and the adapter is connected, the battery indicator lights; this indicator does not go off when the batteries are fully charged
- when the batteries are running low, this indication starts blinking and 4 small beep tones sounds every 10 seconds; now reconnect the power adapter to prevent that the parent unit stops functioning

### 5.3 RESTORE TO DEFAULT:

As follow the settings of the babyphone can be restored to the default values:

4 sec.



parent unit:

press and hold the - button for about 4

a double beep sounds and the unit is reset

4 sec.



Baby-unit:

press and hold the - button for about 4

a double beep sounds and the unit is reset

# 6 (SAFETY) INSTRUCTIONS AND TIPS

## 6.1 GENERAL:

The Babyphone is for the detection of sound by which the guarding of babies, little children and the helpless is a common used feature. Be advised that this babyphone is never capable to meet with the presence of an adult or a parent.

Each time before use, check the functionality of the set. Be advised to regularly check the link during use.

The use of the babyphone is restricted to detection of sounds within own premises. Any other person who is present or might be present within the room that is monitored should be notified of the presence of the installed babyphone.

The usage of the wireless room monitor is free of license. It cannot be guaranteed that the transmission is without interference caused by other wireless systems or atmospheric disturbance.

In case the babyphone is not in use, please switch-off using the power button. If not in use for a longer period, disconnect the power adapter and remove the batteries.

## **6.2 MULTIPLE UNITS:**

It is not possible to extend this babyphone with multiple parent units or multiple baby units. In case more baby's are to be watched, some more complete units should be purchased. These can be used next to each and will not disturb each other.

## **6.3 REACH:**

The reach of the babyphone is approximately 50 meters indoor and 300 meter outdoor. Please be informed that large buildings, metal constructions, atmospheric disturbances and other wireless devices can influence this reach.

## **6.4 BATTERY LIFE TIME:**

### Parent unit:

With fully charged rechargeable batteries with a capacity of 750mAh you can use the parent unit for up to 24 hours without the power adapter.

### Baby unit:

When alkaline batteries are installed, the baby unit will function for about 24 hours without the power adapter.

## **6.5 POWER SUPPLY:**

### Power adapters:

Use only the mains adapters supplied with this baby monitor. Incorrect adapter type(s) can cause damage to the unit(s).



### Power consumption of the power adapters:

Baby unit: in off mode: 0,0W  
in on mode, baby asleep: <0,1W  
when baby cries: 0,9W  
Parent-unit: when charging: 1,5W  
when batteries full: <0,1W

### Batteries:

Only install RECHARGEABLE batteries in the parent unit with the following specifications:

- \* format: AAA / HR03 / 1.2V
- \* material: NiMH (Nickel-Metal-Hydride), rechargeable
- \* capacity: 750mAh or higher

In the baby unit NORMAL batteries should be installed. We prefer to use alkaline batteries only.

### Battery indication parent unit:

The battery-LED '□' lights as soon and as long the power adapter is connected to the parent unit. This indication remains on, even when the batteries are charged. It is OK to keep the power adapter connected. There is no danger for overcharging.

## **6.6 MAINTENANCE:**

Never use chemical cleansers to clean the cabinet, the cabinet may only be cleaned with a moist cloth. Always disconnect the babyphone from the mains (remove the power adapters) before cleaning.

## 6.7 DISPOSAL OF THE DEVICE (ENVIRONMENT):



At the end of the product lifecycle, you should not throw this product into the normal household garbage but bring the product to a collection point for the recycling of electrical and electronic equipments. Exhausted batteries may never be disposed of in household waste but must be handed in at your local depot for chemical waste.

# 7 DECLARATION OF CONFORMITY

This babyphone complies with the essential requirements and provisions as described in the European Directive 1999/5/EC.

The declaration of conformity is available on the website  
[WWW.ALECTO.INFO](http://WWW.ALECTO.INFO)



# 8 TECHNICAL SPECIFICATIONS

|                              |  |
|------------------------------|--|
| No. of channels:             | 120  |
| Frequency:                   | 1881.792 - 1897.344 MHz  |
| Power supply of Baby Unit:   | Switching mode power supply<br>6V/450mA/- — — — +<br>4x AA alkaline batteries          |
| Power supply of Parent Unit: | Switching mode power supply,<br>6V/300mA/- — — — +<br>2x 750mAH rechargeable batteries |
| Transmitting power:          | Max. 250mW   |
| Operating temperature:       | 10°C to 40°C   |
| Storage temperature:         | 0°C to 60°C  |
| Temperature accuracy:        | ±1°C (at 25°C)   |

# 9 TROUBLESHOOTING

- |  |  |
|--|--|
| Link light on the parent unit does not come on     | <ul style="list-style-type: none"><li>• Check whether the parent unit is powered on.</li><li>• Check whether the supplied rechargeable batteries are correctly installed and that they are not drained.</li><li>• Recharge the parent unit by connecting it to the power supply.</li></ul>   |
| Link light on the parent unit flashes              | <ul style="list-style-type: none"><li>• The parent unit and the baby unit may be out of range with each other. Reduce the distance between the units.</li><li>• The baby unit may be switched off. Press POWER-key to switch on the baby unit.</li></ul>   |
| Low battery light on the baby unit flashes         | <ul style="list-style-type: none"><li>• Alkaline batteries in the baby unit are running low.</li><li>• Replace alkaline batteries or connect the baby unit to the mains power.</li></ul>   |
| Low battery light on the parent unit flashes       | <ul style="list-style-type: none"><li>• Rechargeable batteries in the parent unit are running low. Connect the parent unit to the mains power with the supplied power adaptor for recharging.</li></ul>  |
| The parent unit beeps                              | <ul style="list-style-type: none"><li>• Lost connection with the baby unit. Reduce the distance between the parent unit and the baby unit.</li><li>• The baby unit may be switched off. Press POWER-key to switch on the baby unit.</li><li>• Rechargeable batteries in parent unit are running low. Connect the parent unit to the mains power with the supplied power adaptor for recharging.</li></ul>        |
| Cannot hear sound or baby cry from the parent unit | <ul style="list-style-type: none"><li>• The volume level in the parent unit may be set too low, increase the volume level of the parent unit.</li><li>• The microphone sensitivity level of the baby unit may be set too low. Increase the sensitivity level of the baby unit.</li><li>• The parent unit and the baby unit may be out of range with each other. Reduce the distance between the units.</li></ul> |

- |  |  |
|--|--|
| <p>The parent unit is too sensitive to room sounds</p>                   | <ul style="list-style-type: none"> <li>• The microphone sensitivity level of the baby unit may be set too high. Decrease the microphone sensitivity level of the baby unit from the parent unit.</li> </ul>  |
| <p>The baby monitor system produces a high-pitched noise</p>             | <ul style="list-style-type: none"> <li>• The parent unit and the baby unit are too close to each other. Make sure the parent unit and baby unit are at least 1.5 metre away from each other.</li> <li>• The speaker volume of the parent unit maybe set too high. Decrease the volume of the parent unit.</li> </ul>   |
| <p>Alkaline batteries in the baby unit are running low quickly</p>       | <ul style="list-style-type: none"> <li>• The microphone sensitivity level of the baby unit may be set too high which causes the baby unit to transmit more often. Decrease the microphone sensitivity level of the baby unit from the parent unit.</li> <li>• The volume level of the baby unit may be set too high which consumes power. Decrease the volume level of the baby unit.</li> </ul> |
| <p>Rechargeable batteries in the parent unit are running low quickly</p> | <ul style="list-style-type: none"> <li>• The volume level of the parent unit may be set too high which consumes power. Decrease the volume level of the parent unit.</li> </ul>  |
| <p>Talk back feature is not working</p>                                  | <ul style="list-style-type: none"> <li>• Check that the volume is loud enough at the baby unit.</li> </ul>   |

In case the babyphone still does not operate correctly, please disconnect the power adapters and remove the batteries. Wait for some minutes and install batteries and connect the power adapters again. In case the malfunction still persists, please contact your dealer.

# 10 CONTENTS

|          |                                       |          |
|----------|---------------------------------------|----------|
| <b>1</b> | <b>ECO MODE.....</b>                  | <b>2</b> |
| <b>2</b> | <b>OVERVIEW</b>                       |          |
| 2.1      | OVERVIEW PARENT UNIT .....            | 3        |
| 2.2      | OVERVIEW BABY UNIT .....              | 4        |
| 2.3      | OVERVIEW LAMPS.....                   | 5        |
| <b>3</b> | <b>INSTALLATION</b>                   |          |
| 3.1      | PARENT UNIT.....                      | 6        |
| 3.2      | BABY UNIT .....                       | 7        |
| 3.3      | RECOMMENDATIONS .....                 | 7        |
| <b>4</b> | <b>USING YOUR BABY MONITOR</b>        |          |
| 4.1      | POWER ON/OFF .....                    | 8        |
| 4.2      | LINK CHECK.....                       | 8        |
| 4.3      | MONITORING .....                      | 9        |
| 4.4      | TALK BACK.....                        | 9        |
| 4.5      | SENSITIVITY .....                     | 10       |
| 4.6      | PAGING THE PARENT UNIT.....           | 10       |
| 4.7      | FULL ECO.....                         | 11       |
| <b>5</b> | <b>OTHERS</b>                         |          |
| 5.1      | LINK CHECK.....                       | 12       |
| 5.2      | BATTERY INDICATION .....              | 13       |
| 5.3      | RESTORE TO DEFAULT .....              | 14       |
| <b>6</b> | <b>(SAFETY) INSTRUCTIONS AND TIPS</b> |          |
| 6.1      | GENERAL .....                         | 15       |
| 6.2      | MULTIPLE UNITS .....                  | 16       |

|           |   |           |
|-----------|---|-----------|
| 6.3       | REACH.....                                    | 16        |
| 6.4       | BATTERY LIFE TIME.....                        | 16        |
| 6.5       | POWER SUPPLY.....                             | 16        |
| 6.6       | MAINTENANCE .....                             | 17        |
| 6.7       | DISPOSAL OF THE DEVICE<br>(ENVIRONMENT) ..... | 18        |
| <b>7</b>  | <b>DECLARATION OF CONFORMITY .....</b>        | <b>18</b> |
| <b>8</b>  | <b>TECHNICAL SPECIFICATIONS.....</b>          | <b>19</b> |
| <b>9</b>  | <b>TROUBLESHOOTING.....</b>                   | <b>20</b> |
| <b>10</b> | <b>CONTENTS.....</b>                          | <b>22</b> |
| <b>11</b> | <b>GUARANTEE.....</b>                         | <b>24</b> |

# 11 GUARANTEE

You have a guarantee of 24 MONTHS after the date of purchase of this babyphone. We guarantee during this period the free repair of defects caused by material- and construction faults. This at the importers discretion. It is only possible to claim to the guarantee when you enclose your purchase ticket with the babyphone.

## HOW TO ACT:

If you notice a defect, consult the manual first. If this manual gives you no definite answer, consult your dealer with a clear description of your complaint. He will collect the device together with this guarantee card and the dated purchase ticket and he will take care of a prompt repair, respectively free sending to the importer.

## THE GUARANTEE EXPIRES:

When used inexpert, faulty connections, leaking and faulty placed batteries, use of unoriginal parts or accessories, negligence and defects caused by fire, flood, stroke of lightning and natural disasters. With unqualified modifications or repairs by third persons. With incorrect transport without a suitable packing. If the device is not handed in with the correct filled in guarantee card and the purchase ticket.

**NOT UNDER THIS GUARANTEE:** cords, plugs and batteries.

All further responsibilities, in particular subsequent damages, are excluded.

